

UNITED TRANSPORTATION GROUP, INC

1150 E. 145th Street

East Chicago, IN 46312

Restricted Commodity Cleaning Confirmation Certificate

Car Initial: GATX

Car #: 46634

Cleaned Car Per: SAFETY KLEEN CORPORATION

(Name of Company)

This will certify that on September 10, 2013, the cited railcar was emptied of all residual commodities and cleaned. This car last contained PCB, and is now free of any such commodity, but may contain minor quantities of rust and/or atmospheric vapor condensate.

James Phillips

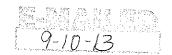
(Signature)

Rail Supervisor

(Title)

09-10-2013

(Date of Certificate)



		WAYBILL	n agai mang agap ang paga ada hiliku hak		
GATX 46634	SWITCH BILL (EMPT	Y) COLTON	ODICIN -		DATE 07-14-13
EAST CHICAGO	IN THIRD PARTY INFO. C	R CARE OF	INFO.		
ROUTE INFORMATION: UP CHGO	інв				
4945196	7-09-13 UN/NA 1D CODE: UN2315	PAYMEN WRIGH	ſ:	JA CODE:	
POLYCHLORINATED, 9 /; UN2315	BIPHENYLS, LIQUID				

LADING DESCRIPTION
RESIDUE LAST-CONTAINED EMPTY PCB WASTE OIL

SPECIAL HANDLING INSTRUCTIONS

EMERGENCY CONTACT: 1-800-424-9300 HAZMAT STCC= 4945196

. . .

ID-RSIL

NUMBER DATE 879816 2013/07/14

----- DESTINATION ------ ORIGIN -----ECHICAGO

IN

COLTON

----- CONSIGNEE ------ SHIPPER -----

GATX046634

UNITEDRAISER

GENERAAMETRA

THIRD PARTY INFO. OR CARE OF INFO.

ROUTE INFORMATION:

UP IHB

BOL INFO:

CONTRACT NUMBER: IHB 8325-L

PAYMENT METHOD:

STCC: 3742217 RAILWAY FREIGHT WEIGHT:

RATE: 240.0000 P/C

357 - INDIANA HARBOR BELT R.R. LOCAL SWITCHING WAYBILL

WAYBILL DATE WAYBILL NO.

2013-07-14 879816

190

CAR INITIAL CAR NUMBER

GATX

46634

8211

DO NOT REPORT IN INTERLINE SWITCHING ACCOUNTS

TOTAL CHARGES->

240.00

Safety Kreen Cap W.O. 20352

PLEASE REMIT TO: INDIANA HARBOR BELT R.R. P.O. BOX 71922 CHICAGO, IL 60694-1922

219-989-4991 8/7/2013 7:37:53 AM PAGE 1/001 Fax Server

***** INDIANA HARBOR BELT RAILROAD COMPANY *****

UNITED RAIL SERV 1250 E. 145TH. ST. CSW

07 August TIME 07:34:55.5

E.CHICAGO, IN 46312

PHONE# 219 398-7777 FAX#

ARRIVAL NOTICE:

LIST OF 2 CARS

YOU ARE HEREBY NOTIFIED THAT THE FOLLOWING CARS CONSIGNED TO YOU HAVE ARRIVED. THESE CARS ARE SUBJECT TO THE DEMURRAGE RULES PUBLISHED IN THE TARIFF LAWFULLY ON FILE, AND CHARGES IN ACCORDANCE THEREWITH WILL BE MADE FOR DETENTION BEYOND FREE TIME PROVIDED

CONSTRUCTIVE PLACEMENT NOTICE:

YOU ARE HEREBY NOFIFIED THAT THE FOLLOWING CARS CONSIGNED TO YOU HAVE ARRIVED AND CANNOT BY DELIVERED ACCOUNT OF YOUR INABILITY TO RECEIVE THEM. THESE CARS ARE SUBJECT TO THE DEMURRAGE RULES PUBLISHED IN THE TARIFF LAWFULLY ON FILE, AND CHARGES IN ACCORDANCE THEREWITH WILL BE MADE FOR DETENTION BEYOND FREE TIME PROVIDED

ARRIVAL NOTICE 8/7/13

CAR NUMBER STCC UN NO WEIGHT ORIGIN ST FROM WAYBILL NO/DATE SHIPPER GATX 096281 4025129 EMPTY EAST CHIC IN J39 8 6 13 SAFETY KL GATX 046634 4945196 UN2315 EMPTY COLTON CA UP 879816 7 14 13 GENERAAME

Safety Kleen

Monsanto

Material Safety Data

POLYCHLORINATED BIPHENYLS (PCBs)

Emergency Phone No. (Call Collect) 314-694-1000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

POLYCHLORINATED BIPHENYLS (PCBs)

Aroclor® Series 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268

Therminol® FR Series

MSDS Number: M00018515

Date: 12/95

Chemical Family: Chemical Name: Chlorinated Hydrocarbons

Polychlorinated biphenyls

Synonyms:

PCBs, Chlorodiphenyls, Chlorinated biphenyls

Trade Names/Common Names:

PYRANOL® and INERTEEN® are trade names for commonly used dielectric fluids that may have contained varying amounts of PCBs as well as other components including chlorinated benzenes.

ASKAREL is the generic name for a broad class of fire resistant synthetic chlorinated hydrocarbons and mixtures used as dielectric fluids that commonly contained about 30 - 70% PCBs. Some ASKAREL fluids contained 99% or greater PCBs and some contained no PCBs.

PYDRAUL® is the trade name for hydraulic fluids that, prior to 1972, may have contained varying amounts of PCBs and other components including phosphate esters.

The product names/trade names are representative of several commonly used Monsanto products (or products formulated with Monsanto products). Other trademarked PCB products were marketed by Monsanto and other manufacturers. PCBs were also manufactured and sold by several European and Japanese companies. Contact the manufacturer of the trademarked product, if not in this listing, to determine if the formulation contained PCBs.

In 1972, Monsanto restricted sales of PCBs to applications involving only closed electrical systems, (transformers and capacitors). In 1977, all manufacturing and sales were voluntarily terminated. In 1979, EPA restricted the manufacture, processing, use, and distribution of PCBs to specifically exempted and authorized activities.

MONSANTO COMPANY, 800 N. LINDBERGH BLVD., ST. LOUIS, MO 63167

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere: 202-483-7616 (collect calls accepted)

For additional nonemergency information, call: 314-694-3344.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemically, commercial PCBs are defined as a series of technical mixtures, consisting of many isomers and compounds that vary from mobile, oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination, and possibly according to batch.

The mixtures generally used contain an average of 3 atoms of chlorine per molecule (42% chlorine) to 5 atoms of chlorine per module (54% chlorine). They were used as components of dielectric fluids in transformers and capacitors. Prior to 1972, PCB applications included heat transfer media, hydraulic, and other industrial fluids. plasticizers, carbonless copy paper, paints, inks, and adhesives.

Component	CAS No.
chlorinated biphenyl Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Aroclor 1260	1336-36-3 12674-11-2 11104-28-2 11141-16-5 53469-21-9 12672-29-6 11097-69-1 11096-82-5 37324-23-5
Aroclor 1268	11100-14-4

There are also CAS Numbers for individual PCB congeners and for mixtures of Arocior® products.

PCBs are identified as hazardous chemicals under criteria of the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Annual Report on Carcinogens (Seventh).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: PCB mixtures range in form and color from clear to amber liquids to white crystalline solids. They have a mild, distinctive odor and are not volatile at room temperature. Refer to Section

9 for details.

WARNING! CAUSES EYE IRRITATION MAY CAUSE SKIN IRRITATION

PROCESSING AT ELEVATED TEMPERATURES MAY RELEASE VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes

of Exposure: Skin contact and inhalation of heated vapors

Causes moderate irritation based on worker experience. Eye Contact:

Prolonged or repeated contact may result in redness, dry skin and defatting based on human Skin Contact:

experience. A potential exists for developing chloracne. PCBs can be absorbed through intact skin.

Inhalation:

Due to the low volatility of PCBs, exposure to this material in ambient conditions is not expected to produce adverse health effects. However, at elevated processing temperatures, PCBs may produce

a vapor that may cause respiratory tract irritation if inhaled based on human experience.

No more than slightly toxic based on acute animal toxicity studies. Coughing, choking and shortness Ingestion:

of breath may occur if liquid material is accidentally drawn into the lungs during swallowing or

vomiting.

MSDS #: MOOO18515

Other:

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin and clothing.

IF ON SKIN, immediately flush the area with plenty of water. Wash skin gently with soap as soon as it is available. Get medical attention if irritation persists.

IF INHALED, remove person to fresh air. If breathing is difficult, get medical attention.

IF SWALLOWED, do NOT induce vomiting. Rinse mouth with water. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIANS: Hot PCBs may cause thermal burn. If electrical equipment arcs between conductors, PCBs or other chlorinated hydrocarbon dielectric fluids may decompose to produce hydrochloric acid (HCl), a respiratory irritant. If large amounts are swallowed, gastric lavage may be considered.

5. FIRE FIGHTING MEASURES

284 degrees F (140 degrees C) or higher depending on the chlorination level of the Aroclor product

Flash Point: Fire Point:

349 degrees F (176 degrees C) or higher depending on the chlorination level of the Aroclor product

NOTE: Refer to Section 9 for individual flash points and fire points.

Extinguishing

Media:

Extinguish fire using agent suitable for surrounding fire. Use dry chemical, foam, carbon dioxide or water spray. Water may be ineffective. Use water spray to keep fire-exposed containers or transformer cool.

PCBs are fire-resistant compounds. They may decompose to form CO, CO2, HCI, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Dielectric fluids having PCBs and chlorinated benzenes as components have been reported to produce polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) during fire situations involving electrical equipment. At temperatures in the range of 600-650 degrees C in the presence of excess oxygen, PCBs may form polychlorinated dibenzofurans (PCDFs). Laboratory studies under similar conditions have demonstrated that PCBs do not produce polychlorinated dibenzo-p-dioxins (PCDDs).

Federal regulations require all PCB transformers to be registered with fire response personnel.

If a PCB transformer is involved in a fire-related incident, the owner of the transformer may be required to report the incident. Consult and follow appropriate federal, state and local regulations.

Fire Fighting Equipment: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and disposal of liquid PCBs and other PCB items are strictly regulated by the federal government. The regulations are found at 40 CFR Part 761. Consult these regulations as well as applicable state and local regulations prior to any cleanup or disposal of PCBs, PCB items, or PCB contaminated items.

If PCBs leak or are spilled, the following steps should be taken immediately:

All nonessential personnel should leave the leak or spill area.

The area should be adequately ventilated to prevent the accumulation of vapors.

The spill/leak should be contained. Loss to sewer systems, navigable waterways, and streams should be prevented. Spills/leaks should be removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials, or trapped and removed by pumping or other suitable means (traps, drip-pans, trays, etc.).

Personnel entering the spill or leak area should be furnished with appropriate personal protective equipment and clothing as needed. Refer to Section 8 for personal protection equipment and clothing.

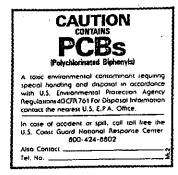
Personnel trained in emergency procedures and protected against attendant hazards should shut off sources of PCBs, clean up spills, control and repair leaks, and fight fires in PCB areas.

Refer to Section 13 for disposal information and Sections 14 and 15 for information regarding reportable quantity, and Section 7 for marking information.

7. HANDLING AND STORAGE

Care should be taken to prevent entry into the environment through spills, leakage, use vaporization, or disposal of liquid or containers. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact, flush with water. In case of spillage onto clothing, the clothing should be removed as soon as practical, skin washed, and clothing laundered. Comply with all federal, state, and local regulations.

Federal regulations under the Toxic Substances Control Act require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be marked (check regulations, 40 CFR 761, for details).





Storage:

The storage of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB waste is strictly regulated by 40 CFR Part 761. The storage time is limited, the storage area must meet physical requirements, and the area must be labeled.

Avoid contact with eyes.
Wash thoroughly after handling.
Avoid breathing processing fumes or vapors.
Process using adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Еуе

Protection:

Wear chemical splash goggles and have eye baths available where there is significant potential for

eye contact.

Skin

Protection:

Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine the appropriate type glove for a given application. Wear chemical goggles, face shield, and chemical resistant clothing such as a rubber apron when splashing is likely. Wash immediately if skin is contacted. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

ATTENTION! Repeated or prolonged skin contact may cause chloracne in some people.

Respiratory Protection:

Avoid breathing vapor, mist, or dust. Use NIOSH/MSHA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended when airborne exposure limits are exceeded and, if used, replaces the need for face shield and/or chemical splash goggles. Consult respirator manufacturer to determine the type of equipment for a given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. High airborne concentrations may require use of self-contained breathing apparatus or supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR Part 1910.134.

ATTENTION! Repeated or prolonged inhalation may cause chloracne in some people.

Ventilation:

Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of vapor or mist, such as open process equipment.

Airborne Exposure Limits:

Product:

Chlorodiphenyl (42% chlorine)

OSHA PEL: 1 mg/m³ 8-hour time-weighted average - Skin* ACG!H TLV: 1 mg/m³ 8-hour time-weighted average - Skin*

Product:

Chlorodiphenyl (54% chlorine)

OSHA PEL: 0.5 mg/m³ 8-hour time-weighted average - Skin* ACGIH TLV: 0.5 mg/m³ 8-hour time-weighted average - Skin*

*For Skin notation see Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Government Industrial Hygienists, 1995-1996.

9. PHYSICAL AND CHEMICAL PROPERTIES

	PROPERTIES OF SELECTED AROCLORS									
PROPERTY	1016	1221	1232	1242	1248	1254	1260			
Color (APHA)	40	100	100	100	100	100				
Physical state	mobile oil	mobile oil	mobile oil	mobile oil	mobile oil	viscous	150 sticky resin			
Stability	inert	inert	inert	inert	inert	inert	inert			
Density (ib/gal 25°C)	11.40	9.85	10.55	11.50	12.04	12.82	13.50			
Specific gravity x/15.5°C	1.36-1.37 x-25°	1.18-1.19 x-25°	1.27-1.28 x-25°	1.30-1.39 x-25°	1.40-1.41 x-65°	1.49-1.50 x-65°	1.55-1.56 x-90°			
Distillation range (°C)	323-356	275-320	290-325	325-366	340-375	365-390	385-420			
Acidity mg KOH/g, maximum	.010	.014	.014	.015	.010	.010	.014			
Fire point (°C)	none to boiling point	176	238	none to boiling point	none to boiling point	none to boiling point	none to boiling point			
Flash point (°C)	170	141-150	152-154	176-180	193-196	none	none			
/apor pressure (mm Hg @ 100°F)	NA	NA	0.005	0.001	0.00037	0.00006	NA			
/iscosity (Saybolt Univ. Sec. @ 100°F) (centistokes)	71-81 13-16	38-41 3.6-4.6	44-51 5.5-7.7	82-92 16-19	185-240 42-52	1800-2500 390-540	_			

-Not Available

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability: PCBs are very stable, fire-resistant compounds.

Materials to Avoid: None Hazardous Decomposition

Products:

PCBs may decompose to form CO, CO₂, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surface.

Hazardous Polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted by Monsanto and from the available scientific literature are summarized below. Single exposure (acute) studies indicate:

Oral - Slightly Toxic (Rat LD50 - 8.65 g/kg for 42% chlorinated; 11.9 g/kg for 54% chlorinated)

The liquid products and their vapors are moderately irritating to eye tissues. Animal experiments of varying duration and at different air concentrations show that for similar exposure conditions, the 54% chlorinated material produces more liver injury than the 42% chlorinated material.

There are literature reports that PCBs can impair reproductive functions in monkeys. The National Cancer Institute (NCI) performed a study in 1977 using Aroclor 1254 with both sexes of rats. NCI stated that the PCB, Aroclor 1254, was not carcinogenic under the conditions of their bioassay. There is sufficient evidence in the scientific literature to conclude that Aroclor 1260 can cause liver cancer when fed to rodents at high doses. Similar experiments with less chlorinated PCB products have produced negative or equivocal results.

The consistent finding in animal studies is that PCBs produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first, and by exposures that are less than those reported to cause cancer in rodents. Therefore, exposure by all routes should be kept sufficiently low to prevent liver injury.

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed population, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Seventh Annual Report on Carcinogens.

12. ECOLOGICAL INFORMATION

Care should be taken to prevent entry of PCBs into the environment through spills, leakage, use, vaporization or disposal of liquid or solids. PCBs can accumulate in the environment and can adversely affect some animals and aquatic life. In general, PCBs have low solubility in water, are strongly bound to soils and sediments, and are slowly degraded by natural processes in the environment.

13. DISPOSAL CONSIDERATIONS

The disposal of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB wastes is strictly regulated by 40 CFR Part 761. For example, all wastes and residues containing PCBs (wiping cloths, absorbent material, used disposable protective gloves and clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section are for information only. Please apply the appropriate regulations to properly classify a shipment for transportation.

DOT Classification:

IF WEIGHT OF PCBs TO BE SHIPPED IS OVER ONE POUND, THE FOLLOWING

CLASSIFICATION AND LABEL APPLY.

DOT Label:

LIQUID: Environmentally Hazardous Substance, liquid, n.o.s. (Contains PCB),

9. UN 3082, III

SOLID:

Environmentally Hazardous Substance, solid, n.o.s. (Contains PCB),

9, UN 3077, III

DOT Label:

DOT Reportable Quantity:

Class: 9 One Pound

IMO Classification:

Polychlorinated Biphenyls, IMO Class 9, UN 2315, II

IMÓ Page 9034, EMS 6.1-02

IATA/ICAO Classification:

Polychlorinated Biphenyls, 9, UN2315, II

15. REGULATORY INFORMATION

For regulatory purposes, under the Toxic Substances Control Act, the term "PCBs" refers to-a chemical substance limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contain such a substance (40 CFR Part 761).

TSCA inventory: not listed.

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate, Delayed. SARA Section 313 Toxic Chemical(s): Listed-1993 (De Minimis concentration 0.1%.)

Reportable Quantity (RQ) under DOT (49 CFR) and CERCLA Regulations: 1 lb. (polychlorinated biphenyls) PCBs.

Release of more than 1 (one) pound of PCBs to the environment requires notification to the National Response Center (800-424-8802 or 202-426-2675).

Various state and local regulations may require immediate reporting of PCB spills and may also define spill cleanup levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill cleanup.

16. OTHER INFORMATION

Reason for revision: Conversion to the 16 section format. Supersedes MSDS dated 10/88.

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FOR ADDITIONAL NONEMERGENCY INFORMATION, CONTACT:

Gary W. Mappes Manager, Product & Environmental Safety

> Robert G. Kaley, II Director, Environmental Affairs

Monsanto Company 800 North Lindbergh Boulevard St. Louis, MO 63167 (314) 694-3344

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